Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/20/2018 11:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124635	-1	1.90	124490	1.85
Blue	F	SSC	125000	122851	-2	3.58	123127	3.37
Blue	E	FITC	23615	22867	-4	2.97	1020	11.21
Blue	D	PE	26739	26426	-2	2.45	948	10.57
Blue	B	PerCP-Cy5-5	48339	47436	-2	4.00	1375	17.95
Blue	A	PE-Cy7	45021	44625	-1	5.65	690	38.66
Red	C	APC	53064	51659	-3	2.85	2946	9.58
Red	A	APC-Cy7	57175	56188	-2	2.82	1192	11.55
Violet	B	V450	14728	14171	-4	5.25	678	10.25
Violet	A	V500	58621	57215	-3	5.12	2532	7.51

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19293	3.32	617	3	N/A	N/A	Pass
Blue	F	SSC	60543	1.93	565	19	N/A	N/A	Pass
Blue	E	FITC	113	42.36	554	6	0.0176	189	Pass
Blue	D	PE	208	31.77	546	10	0.1450	288	Pass
Blue	B	PerCP-Cy5-5	211	50.37	645	10	0.0091	185	Pass
Blue	A	PE-Cy7	70	136.86	704	11	0.0100	19	Pass
Red	C	APC	335	29.13	600	3	0.0202	112	Pass
Red	A	APC-Cy7	130	41.41	584	4	0.0050	1556	Pass
Violet	B	V450	82	48.27	466	-4	0.0411	2439	Pass
Violet	A	V500	184	28.42	493	-4	0.0135	1681	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.29	-30.92	0.96
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.54	14.40 - 21.60	N/A	N/A	30.68	31.14	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 9945

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments